

# Comparisons of Job Characteristics

**Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011)**

**Associated Occupation: Boilermakers (47-2011)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 90

**Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011)**

**Associated Occupation: Boilermakers (47-2011)**

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	17.5	13.9	<< Extensive education and/or training may be required
Building and Construction	4.0	13.8	16.9	> Current knowledge level is likely sufficient
Engineering and Technology	5.7	12.6	10.6	< Expanded education and/or training may be required
Design	5.2	11.9	10.9	0 Current knowledge level may be sufficient
Physics	4.3	7.6	5.8	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 25

**Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011)**

**Associated Occupation: Boilermakers (47-2011)**

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	11.4	7.2	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	11.1	7.7	<< Extensive development of skills in this area may be required
Quality Control Analysis	5.9	10.6	7.9	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	9.6	6.1	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	9.3	5.1	<< Extensive development of skills in this area may be required

Repairing	3.4	9.2	4.4	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	8.0	6.9	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 72

**Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011)**

**Associated Occupation: Boilermakers (47-2011)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	11.8	7.1	<<	Extensive improvement in abilities may be required
Control Precision	6.6	11.5	7.9	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	10.4	7.3	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	10.3	6.8	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	8.9	5.3	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	8.7	4.6	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	7.7	4.4	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	6.6	4.0	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 44

**Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011)**

**Associated Occupation: Boilermakers (47-2011)**

Work Activities	Exclusivity of Activity
Read blueprints	10
Read specifications	23
Read technical drawings	7
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 80

**Focus Occupation: Supervisors of Construction and Extraction Workers (47-1011)**  
**Associated Occupation: Boilermakers (47-2011)**

Tools and Technologies	Exclusivity
Aerial lifts	13
Business function specific software	1
Compressors	9
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Cutting tools	18
Dispensing tools	6
Face and head protection	7
Fall protection	16
Forming tools	2
Hearing protectors	12
Holding and clamping tools	3
Igniters	47
Indicating and recording instruments	2
Industry specific software	1
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Light and wave generating and measuring equipment	4
Machine tools	7
Machinery for working wood and stone and ceramic and the like	12
Marking tools	11
Measuring and layout tools	3
Metal bending and forming machinery	17
Personal communication devices	2
Power tools	2
Pressure measuring and control instruments	10
Prying and bending tools	10
Respiratory protection	6
Rough and finishing tools	5
Safety apparel	4
Sealing tools	21
Soldering and brazing and welding machinery and supplies	6
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.